



Docket No. F-9071

Ser. No. 10/579,283

AMENDMENTS TO THE SPECIFICATION:

Please amend the indicated paragraphs of the specification in accordance with the amendments indicated below.

Page 10: 1st paragraph, bridging pages 9 and 10, amend as indicated below:

The movement sequences for the articulated arm 19 can be seen in the table 46. However, the only movements illustrated are those that result, when driven, using the same number of rotations for the drives 21 and 22. For instance, when both drives 21 and 22 rotate to the right for the same number of rotations, this causes a rotation of the toothed wheel 27 to the right via the drive train 23, 24, 25, 26 and thus also a pivoting movement to the right along a pivoting angle 47 by the articulated arm 19 connected to the toothed wheel 27. In this case, no movement takes place in the vertical (Y-) axis. Overlapping movement, i.e., pivoting and vertical movement, is attained e.g. when the drive 21 idles and the drive 22 rotates. As can be seen from the table 46, any desired travel curve in a plane can be attained using the appropriate rotation or idling of only the drives 21 and 22. Large transport paths can be executed with no problem with the suggested articulated arm transport apparatus. The identical movement sequences can also naturally be attained with other drive components. For instance, if the toothed

wheels 23 and 24 and the racks 25 and 26 are replaced with separately driven toothed belts with corresponding toothed belt pulleys, the exact same movements can be traveled.

Page 10: 2nd paragraph, bridging pages 10 and 11, amend as indicated below:

Figure 3 illustrates how the first articulated arm part 19 forwards the pivoting movement to the second articulated arm part 20. The toothed wheel 30, which is situated in the first articulated arm part 19, is connected to the carriage 29 via the axis 45. The toothed wheel 30 is mechanically linked to the toothed wheels 31 through 34. The toothed wheel 34 is securely joined to the second articulated arm part 20. If a pivoting movement of the first articulated arm part 19 is introduced via the drive chain 23, 24, 25, 26, this generates a rolling rotational movement of the toothed wheels 31, 32, 33, 34 and, due to the secure connection to the toothed wheel 34, the corresponding pivoting of the second articulated arm 20 along a pivoting angle 48 about the axis of rotation 35.